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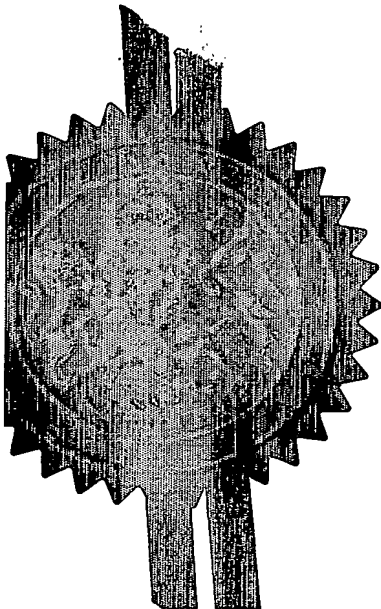
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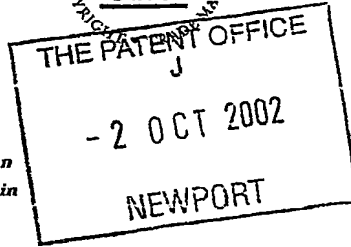
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Dated 14 October 2003





1/77



Request for grant of a patent

(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form)

The Patent Office

Cardiff Road
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1. Your reference

1

07/10/02 E752514-1 C42041
TWO 0.00-0222767.6

2. Patent application number
(The Patent Office will fill in this part)

0222767.6

3. Full name, address and postcode of the or of each applicant (underline all surnames)

JAMES MICHAEL SHIPPEW
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B60 1DF

Patents ADP number (if you know it)

If the applicant is a corporate body, give the country/state of its incorporation

71437874001

4. Title of the invention LIGHT VEHICLE HYGIENE MEMBRANE

5. Name of your agent (if you have one)

"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)

Patents ADP number (if you know it)

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number

Country

Priority application number
(if you know it)

Date of filing
(day / month / year)

7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application

Number of earlier application

Date of filing
(day / month / year)

8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:

NO

- a) any applicant named in part 3 is not an inventor, or
 - b) there is an inventor who is not named as an applicant, or
 - c) any named applicant is a corporate body.
- See note (d))

Patents Form 1/77

9. Enter the number of sheets for any of the following items you are filing with this form. Do not count copies of the same document

Continuation sheets of this form ☐ 0
 Description ☐ 1
 Claim(s) ☐ 1
 Abstract ☐ 1
 Drawing(s) ☐ 1 + 7

10. If you are also filing any of the following, state how many against each item.

Priority documents ☐ 0
 Translations of priority documents ☐ 0
 Statement of inventorship and right to grant of a patent (Patents Form 7/77) ☐ 0
 Request for preliminary examination and search (Patents Form 9/77) ☐ 0
 Request for substantive examination (Patents Form 10/77) ☐ 0
 Any other documents (please specify) ☐ 0

11. I/We request the grant of a patent on the basis of this application.

Signature

[Signature]

Date

30/9/02

12. Name and daytime telephone number of person to contact in the United Kingdom

JAMES SHIPPEN
 01905 775443

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Notes

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Light Vehicle Hygiene Membrane

This invention relates to a membrane which separates clean and unclean volumes in the context of food preparation within a light motor vehicle.

The modern car has satellite navigation, cruise control, radar parking sensors but they lack the facilities which the family with young children really require or the senior citizen needs. A vehicle is envisaged which contains sanitation and food preparation equipment. The small volume constraints of a light motor vehicle necessitates that the sanitary and food preparation volumes are immediately juxtaposed. To prevent the risk of contamination of the foodstuffs it is necessary to separate the sanitary and food preparation volumes.

Accordingly, this invention provides for a membrane to separate clean and unclean volumes. The volume within the membrane contained the sanitary equipment and is therefore considered unclean. The volume within the membrane is maintained at a pressure slightly below atmospheric pressure to prevent the escape of odour and contaminants. The membrane contains an aperture which permits light to enter the enclosed volume enabling the occupant to see whilst inside the membrane. The membrane contains an opening enabling a person to enter and exit the volume contained by the membrane. The opening is sufficiently large so as not to inhibit the evacuation of the volume contained by the membrane in the event of a vehicle fire.

The membrane as described in this invention is supported either directly or indirectly by the enclosing vehicle whilst it is being used to separate clean and unclean volumes. The membrane can be collapsed for storage within the enclosing vehicle whilst can being used to separate clean and unclean volumes.

A preferred embodiment of the invention will now be described with reference to the accompanying drawing in which:

- 1) The membrane 1 which encloses an unclean sanitary volume is displayed in a deployed configuration.
- 2) The membrane is supported by straps 5 attached directly or indirectly by the structure of the vehicle whilst in use and is collapsed for storage whilst not in use.
- 3) Ingress of air into the volume enclosed by the membrane may be through a porous membrane or via vents 2.
- 4) An opening 3 permits the entry and exit of the volume enclosed by the membrane by a person. The opening is sufficiently large so as not to inhibit evacuation in the event of a vehicle fire.
- 5) The membrane is opaque to light. Light may enter the volume enclosed by the membrane via aperture. The aperture consists of either a transparent material, translucent material or a vent.

Claims

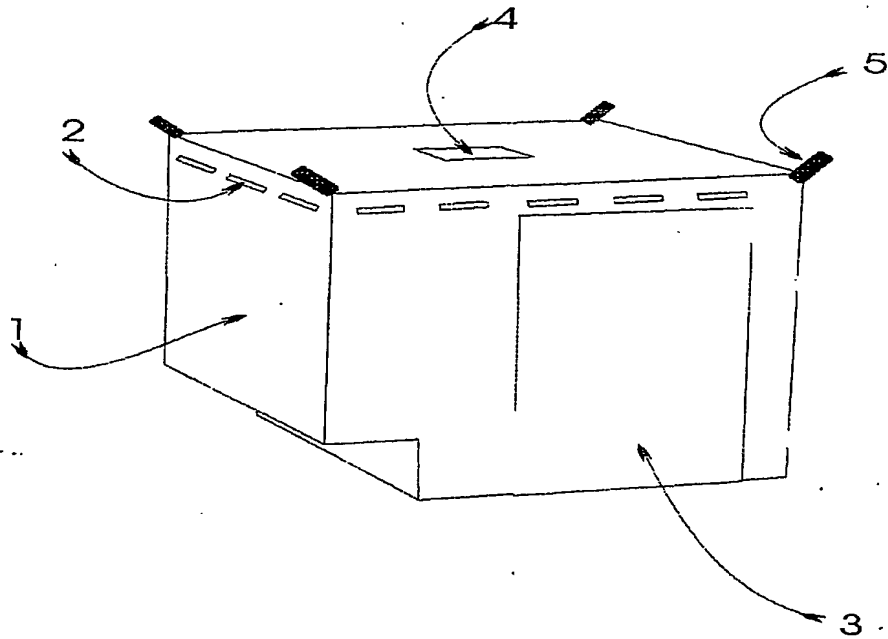
- 1 A membrane which provides separation between clean and unclean volumes within a light motor vehicle.
- 2 A membrane as claimed in Claim 1 which contains a volume which is maintained at a pressure below atmospheric pressure.
- 3 A membrane as claimed in Claim 1 which permits the ingress of air by porous action or via one or more vents.
- 4 A membrane as claimed in Claim 1 which is opaque to light.
- 5 A membrane as claimed in Claim 1 which permits the ingress light through a transparent aperture or a translucent aperture or a vent.
- 6 A membrane as claimed in Claim 1 which is supported directly or indirectly by the structure of the enclosing vehicle.
- 7 A membrane as claimed in Claim 1 which may be collapsed for storage purposes within the enclosing vehicle.
- 8 A membrane as claimed in Claim 1 which contains an opening for the occupant to enter and exit the volume contained by the membrane.
- 9 An opening as claimed in Claim 8 which can be closed to prevent observation of the occupant of the volume contained by the membrane by a person external to the volume contained by the membrane.
- 10 An opening as claimed in Claim 8 which is sufficiently large so as not to hinder exit from the volume contained by the membrane in the event of a vehicle fire.
- 11 A membrane as claimed in any proceeding claim which can be made from natural fibre or plastic material or from a combination of these materials.
- 12 A membrane substantially as herein described above and illustrated in the accompanying drawings.

Abstract

Light Vehicle Hygiene Membrane

A membrane which separates the food preparation volumes from sanitary volume within a light vehicle. The membrane can be collapsed for storage whilst not in use. The unclean volume is maintained at a pressure below atmospheric pressure to prevent the emission of odour. The membrane contains an aperture of the ingress of light into the volume.

Light vehicle hygiene membrane
Drawing 1/1



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